



MICHIGAN
COOPERATIVE AGREEMENT
PROGRESS REPORT
STATE LEAD SITE

SITE: North Bronson Industrial Area

ASSISTANCE I.D.: V005934-01

ACTIVITY: RI/FS

REPORTING PERIOD: FY90, Q1, Q2

WORK ACCOMPLISHED THIS REPORTING PERIOD:

Q1:

- Received \$650,000 grant augmentation from EPA to cover anticipated Phase II RI/FS activities.
- Received Technical Memorandum, Volumes 1, 2 and 3 from state contractor (Warzyn Engineering). This Tech Memo contained analytical data from the first round of sampling conducted prior to the installation of the new monitor wells. It was distributed both internally and to those PRP's who had requested a copy.
- Data validation underway by State contractor
- Invoices reviewed and processed per standard procedures.
- Prepared site status and progress reports to fulfill administrative requirements.

Q2:

- Data validation completed by State contractor
- Static water levels for all wells were measured and data was transmitted to State contractor for use in determining groundwater gradients.
- Invoices were reviewed and processed per standard procedures.
- Prepared site status and progress reports to fulfill administrative requirements.

PROBLEMS ENCOUNTERED THIS REPORTING PERIOD: Data from analysis of hexavalent chrome samples was not received in a timely manner from Contract Regional Laboratory.

CORRECTIVE MEASURES TAKEN OR PLANNED: Contacted Warzyn and EPA to establish a direct communication link between CRL and Warzyn to resolve this problem. The analytical data was transmitted soon thereafter and subsequent data was forwarded expeditiously.

PERCENTAGE OF ACTIVITY SCHEDULED TO BE COMPLETED: 50%

PERCENTAGE OF ACTIVITY ACTUALLY COMPLETED: 45%

EXPLANATION OF SIGNIFICANT DIFFERENCE: N/A

PLANNED EXPENDITURES TO DATE: \$425,000

ESTIMATED ACTUAL EXPENDITURES TO DATE: \$365,000 Contractual

~~\$ 37,500 State Costs~~ (Other than Contractual

\$402,500 TOTAL

EXPLANATION OF SIGNIFICANT DIFFERENCES: N/A

ESTIMATED TIME AND FUNDS REMAINING: 21 months, \$997,500

ESTIMATED TIME AND FUNDS NEEDED TO COMPLETE NECESSARY WORK: Same as above

PREPARED BY: Brady W Boyce DATE: 5/9/90
(Project Manager)

REVIEWED BY: Maureen S Libbey DATE: 5/10/90
(Supervisor)

**MICHIGAN SUPERFUND SITE COOPERATIVE AGREEMENT
QUARTERLY PROGRESS REPORT
STATE LEAD SITE**

**Assistance ID number: V005934-01
Site name: North Bronson Industrial Area
Activity: RI/FS
Reporting period: FY90, Q3**

WORK ACCOMPLISHED DURING REPORTING PERIOD FOR THIS SITE AND ACTIVITY:

- Met with State RI/FS Contractor (Warzyn Engineering) to review the general results of the Phase I investigation and to discuss potential Phase II work which might be needed to fill in data gaps. Based on this meeting, Warzyn was to prepare a preliminary or conceptual scope of work for Phase II.
- MDNR undertook another round of static water levels for all the monitor wells at the site.
- Review and approval of contractor invoices continued during this period even though there was a relative lull in activity.
- Site status and project reports were prepared to fulfill administrative requirements.

**PROBLEMS AND DELAYS ENCOUNTERED THIS PERIOD:
CORRECTIVE MEASURES TAKEN OR PLANNED:**

Warzyn involvement in other projects, along with their desire to have a home office toxicologist involved in the North Bronson evaluation, resulted in some delay in producing the preliminary proposal for Phase II. They were reminded of the need to keep the project moving if they wished to retain their involvement in the future work.

PERCENTAGE OF ACTIVITY SCHEDULED TO BE COMPLETED: 60%

PERCENTAGE OF ACTIVITY ACTUALLY COMPLETED: 45%

EXPLANATION OF SIGNIFICANT DIFFERENCE:

As reported to EPA previously, there have been delays due to CLP problems which occurred in prior reporting periods.
Note: Preparation for a Phase II is now underway. Upon completion of a Phase II Work Plan new (and more precise) budgets and schedules will be available and will be^{be} forwarded to EPA. EPA will have an opportunity to participate in developing these items.

FOR CURRENT TASKS UNDERWAY OR JUST COMPLETED IN THIS REPORTING PERIOD:

PLANNED EXPENDITURES TO DATE: \$500,000

ESTIMATED ACTUAL EXPENDITURES TO DATE:

\$405,000 Contractual (Warzyn)

\$ 41,900 State Costs (Non-contractual)

\$446,900 TOTAL

EXPLANATION OF SIGNIFICANT DIFFERENCES: Delays reported previously

ESTIMATED TIME AND FUNDS NEEDED TO COMPLETE REQUIRED WORK: 18 months,
\$950,000

ACTUAL TIME AND FUNDS REMAINING (USE BEST ESTIMATE ON FUNDS): 18 months,
\$950,000

EXPLANATION OF ANY SIGNIFICANT DISCREPANCY/JUSTIFICATION FOR INCREASE: N/A

Prepared by Buddy W Boyce Date Aug 8, 1990
(Project Manager)

Approved by Brian Monro Date 8/8/90
(Supervisor)
for Claudia Kertumy

MICHIGAN SUPERFUND SITE COOPERATIVE AGREEMENT
QUARTERLY PROGRESS REPORT
STATE LEAD SITE

Assistance ID number: V005934-01
Site name: North Bronson Industrial Area
Activity: RI/FS
Reporting period: FY90, Q4

WORK ACCOMPLISHED DURING REPORTING PERIOD FOR THIS SITE AND ACTIVITY:

- MDNR transported five drums of drill cuttings from the site to a licensed facility for treatment and disposal.
- Discussed with State RI/FS Contractor (Warzyn Engineering) the general results of the Phase I investigation and proposed Phase II work which will be needed to fill in data gaps. Based on this meeting, Warzyn will prepare a Work Plan for Phase II Remedial Investigation.
- Review and approval of contractor invoices and monthly reports continued during this period even though there was a relative lull in activity.
- Site status and project reports were prepared to fulfill administrative requirements.

PROBLEMS AND DELAYS ENCOUNTERED THIS PERIOD:

CORRECTIVE MEASURES TAKEN OR PLANNED:

Warzyn involvement in other projects, along with their desire to have a home office toxicologist involved in the North Bronson evaluation, resulted in some delay in producing the preliminary proposal for Phase II and subsequently the Work Plan for Phase II was delayed. They were reminded of the need to keep the project moving if they wished to retain their involvement in the future work. The draft Work Plan for Phase II Remedial Investigation will be submitted to MDNR and the EPA in the first quarter of FY'91.

PERCENTAGE OF ACTIVITY SCHEDULED TO BE COMPLETED: 65%

PERCENTAGE OF ACTIVITY ACTUALLY COMPLETED: 50%

EXPLANATION OF SIGNIFICANT DIFFERENCE:

As reported to EPA previously, there have been delays due to CLP problems which occurred in prior reporting periods.

Note: Preparation for a Phase II is now underway. Upon approval of a Phase II Work Plan new (and more precise) budgets and schedules will be available and will be forwarded to EPA. EPA will have an opportunity to participate in developing these items.

FOR CURRENT TASKS UNDERWAY OR JUST COMPLETED IN THIS REPORTING PERIOD:

PLANNED **EXPENDITURES** TO DATE: \$500,000

ESTIMATED ACTUAL EXPENDITURES TO DATE:

\$ 405,000 Contractual (Warzyn)

\$ 45,000 State costs (Non-contractual)

\$ 450,000 TOTAL

EXPLANATION OF SIGNIFICANT DIFFERENCES: Delays reported previously

ESTIMATED **TIME AND FUNDS NEEDED** TO COMPLETE REQUIRED WORK: 15 months,
\$950,000

ACTUAL TIME AND FUNDS REMAINING (USE BEST ESTIMATE ON FUNDS): 15 months,
\$950,000

EXPLANATION OF ANY SIGNIFICANT DISCREPANCY/JUSTIFICATION FOR INCREASE: N/A

Prepared by Buddy W. Boyne Date 11-13-90
(Project Manager)

Approved by [Signature] Date 11-14-90
(Supervisor)